

What is claimed is:

1. A method of dynamically allocating network resources including a plurality of computers, comprising:

receiving a job request for networked resources;

determining whether a sub-broker can handle the job request and, if no sub-broker can handle the job request, then reject the request and if a sub-broker can handle the request, then prepare a computer having available resources to handle the job request.

2. The method of claim 1, comprising qualifying each of the plurality of computers as either available, not available, or incompetent to handle the job request.

3. The method of claim 1, comprising maintaining an availability list for each of the plurality of computers.

4. The method of claim 1, comprising testing an available computer to handle a job request including regression testing, functional testing, compatibility and standards testing and performance testing.

5. The method of claim 1, further comprising characterizing the received job request and forwarding the job request to one of a chosen plurality of sub-broker to reconfigure a computer to handle the job request.

6. The method of claim 5, wherein the plurality of sub-broker includes a patch queue sub-broker, a pre-release sub-broker, a command sub-broker and a libc sub-broker.

7. The method of claim 1, comprising maintaining a list of sub-brokers.

8. The method of claim 3, comprising maintaining a free peer pool list, an in-

progress peer pool list and a waiting peer pool list.

9. The method of claim 8, comprising returning a computer to the free peer pool list after the job request has been completed.

10. The method of claim 8, comprising removing a computer from the free peer pool list and adding the computer to the in-progress peer pool list during execution of the job request.

11. The method of claim 1, wherein a computer is prepared by a global peer processing unit.

12. The method of claim 8, comprising returning a computer to the waiting peer pool list and qualifying the computer to be placed on the free peer pool list.

13. The method of claim 1, comprising determining whether the job request can be handled by one computer, and if necessary, assigning two or more computers to handle the job request.

14. The method of claim 1, comprising registering sub-brokers with a master broker.

15. A system for dynamically allocating network resources, including a plurality of computers, comprising:

a master broker residing on one of said plurality of computers;

at least one sub-broker residing on another one of said computers;

at least one peer from said plurality of computers;

said master broker capable of receiving a job request and determining whether the at least one sub-broker can handle the job request;

if said at least one sub-broker can handle the job request then prepare the computer to perform the job request.